

Case Study

Geomat has installed a closed loop, non-penetrating system at a cannabis grow facility in Central Florida. The Geomat is used for cleaning the tables that their plants are placed on in the cultivation process. The dirty tables are brought to the Geomat from grow rooms, washed down and sanitized, and then brought back to the grow rooms for further use. This facility has six grow rooms with ninety tables in each room. After a water meter was installed into the system to gather data on how much water is being used, it was found that each table needed approximately ten gallons of water to be thoroughly cleaned. With the Geomat technology approximately nine out of the ten gallons is pumped back into the system for reuse, considering evaporation and overspray for the lost gallon.

Six rooms with ninety tables each comes to a total 540 tables. With flower being ready for harvest every eight weeks, the 540 tables need to be washed every eight weeks. Using ten gallons a table, to wash 540 tables this facility requires 5,400 gallons of water every eight weeks with 4,860 gallons being contained and reused through the Geomat.

Flower is harvested every 8 weeks

6 rooms x 90 tables = 540 tables

10 gal / table

540 tables x 10 gal = 5,400 gal (4,860 gal recycled)

With fifty-two weeks in a year and an eight-week harvest rate, this farm is able to harvest six and a half times a year. Six and a half harvests call for 3,510 tables. So approximately 3,510 tables are washed at this facility every year, meaning 35,100 gallons of water are used to clean the tables. With the Geomat, an estimated nine out of ten gallons of that water will be filtered and reused. So, this cannabis facility is recycling 31,590 gallons of water out of the 35,100 gallons they have used to clean grow tables.

Flower is harvested 6.5 times every year

540 tables x 6.5 harvests = 3,510 tables/year

3,510 tables x 10 gal / table = 35,100 gal (31,590 gal recycled)

This facility is saving thousands of gallons of water that would otherwise runoff into the environment and only be good for one use. Geomat technology promotes sustainability and efficiency by having a low impact on the environment, saving water, and reducing overall costs.

